

Former Plainwell Impoundment Time-Critical Removal Action Weekly Construction Update

Progress Report #59—August 11, 2008

Work Completed: July 31-Aug 6, 2008

- Completed removal of sediment from Mid-Channel Area B. Excavation included the use of a long reach excavator (equipped with RTK GPS) on a portable floating barge system.
- Completed post-deconstruction in Staging Area 3S, including fine grading and topsoil placement.
- Continued removing soil and sediment from Removal Areas 11A and 12A.
- Continued removing floodplain soil from Removal Area 11A.
- Continued soil/sediment solidification activities at Staging Areas 4N.
- Continued loading and transporting solidified soil/sediment material from Staging Area 4N to Allied Waste C&C Landfill and Ottawa County Farms Landfill.
- Continued loading and transporting solidified soil/sediment TSCA material from Removal Area 12A to EQ Wayne County Disposal Facility.
- Continued installation of the Phase 2 Cofferdam including a template wall and steel sheeting.
- Continued operation of the WCS. Recent installation of two rows of stop logs increased the depth of water in the area of the Phase 2 Cofferdam to accommodate the draft of a barge working in that area.

Estimated Weekly Volume Hauled to TSCA and Non-TSCA Landfill Facilities				
Date	Estimated Quantity TSCA-material (cubic yards)	Number of Truck Loads TSCA-material	Estimated Quantity Non-TSCA material (cubic yards)	Number of Truck Loads Non-TSCA material
Weekly Total	175	5	1,855	53
2008 Total	7,770	222	37,345	1,067
Project Total to Date	10,780	308	71,260	2,036

Note: All values are unofficial, estimated quantities, subject to revision/verification.

US EPA RECORDS CENTER REGION 5

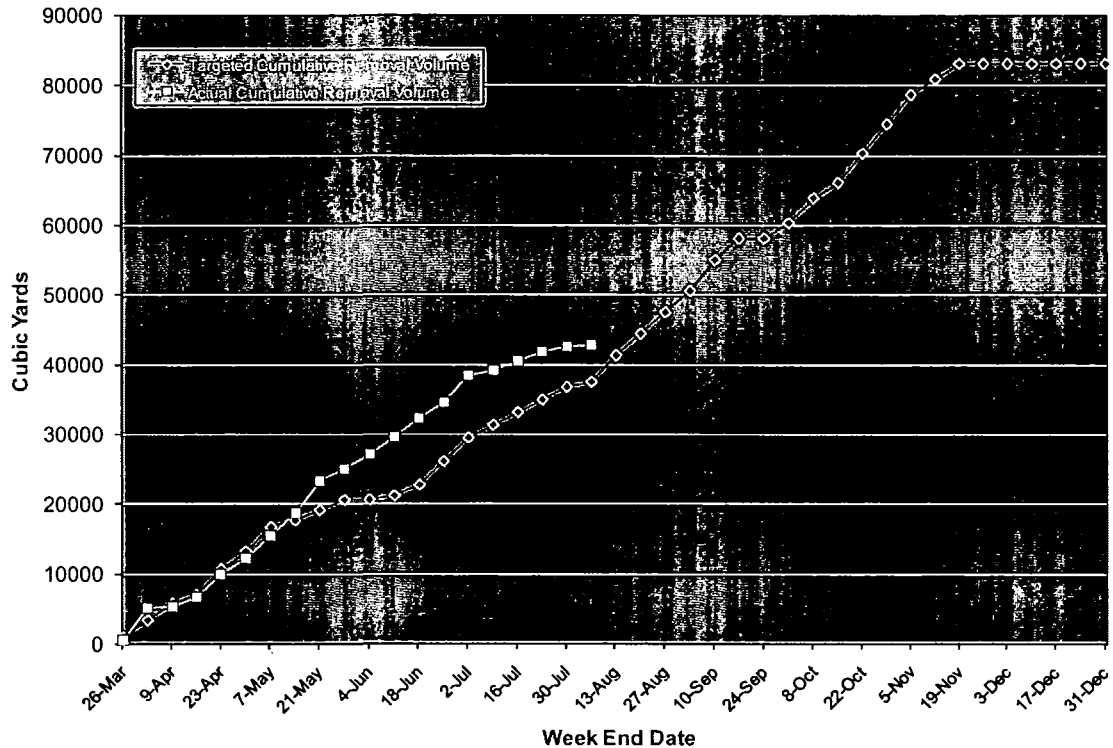


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Work Planned: August 7-August 13, 2008

- Begin removing of resuspension control system including temporary steel sheeting from Mid-Channel Area B.
- Begin installing a resuspension control system in Mid- Channel Area A and Removal Area 13B.
- Continue removing soil and sediment from Removal Areas 11A and 12A.
- Continue removing floodplain soil from Removal Areas 11A, 12A and 13A.
- Continue soil/sediment solidification activities at Staging Area 4N.
- Continue loading and transporting solidified soil/sediment material from Staging Area 4N to Allied Waste's C&C Landfill and Ottawa County Farms Landfill.
- Complete the installation of the Phase 2 Cofferdam.
- Continue operation of the WCS.

Removal Progress

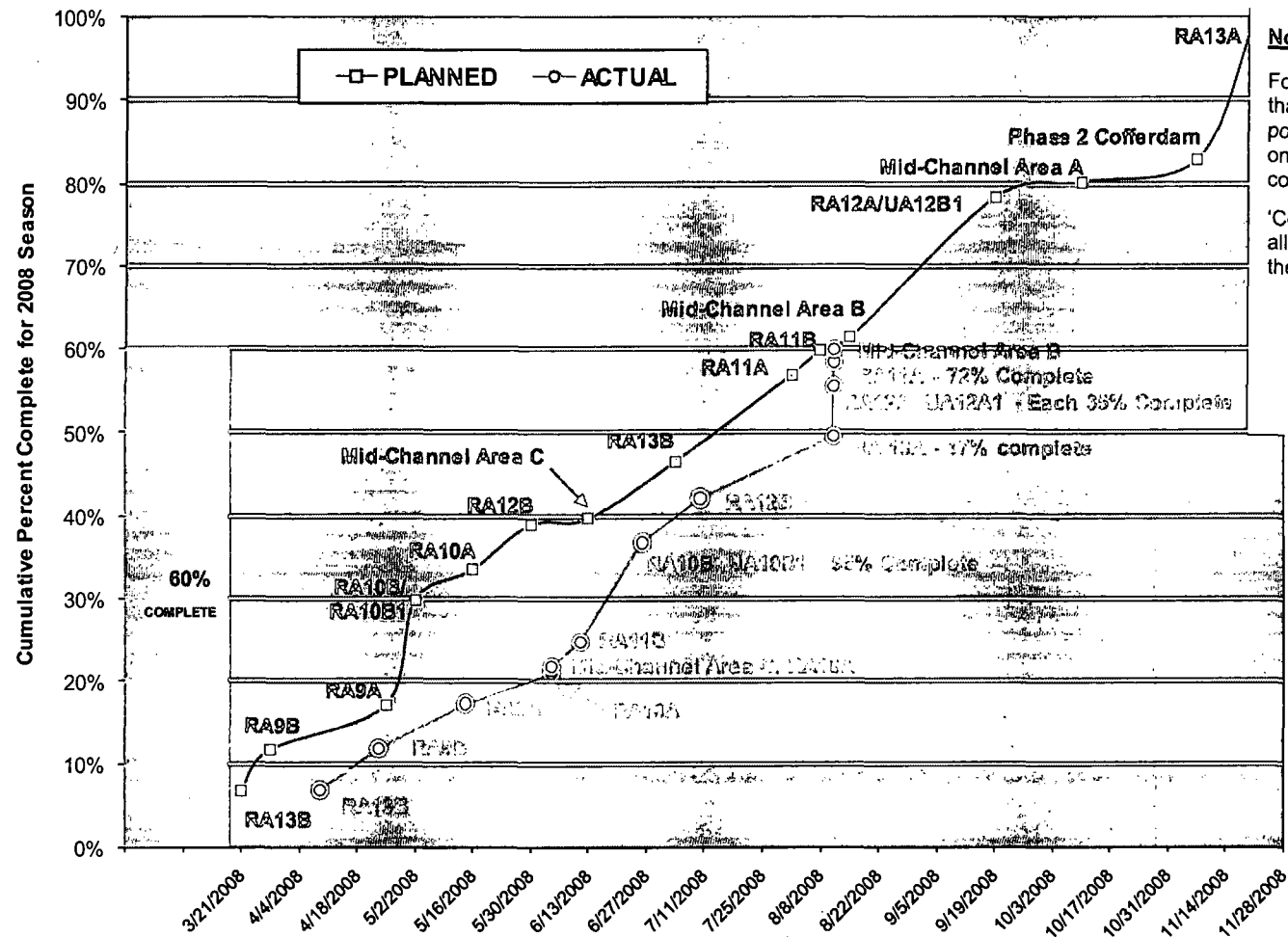


Notes:

Targeted volumes are neat and subject to change due to additional excavation done at request of USEPA.

Actual volumes removed below the targeted volumes potentially due to the conservative estimation methodology used to develop targeted figures and due to the actual topographic conditions encountered at the site, which could result in smaller volumes needing to be removed than originally estimated. The targeted volumes have been increased by 10% to account for additional material that could be removed as a result of over-excavation and additional removal in response to confirmation sampling. Soil/sediment removal activities are on schedule based on the ARCADIS BBL ES 4/30/07 Plainwell TCRA Construction Schedule.

Removal Progress



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Health & Safety Update

- 5 Loss Prevention Observations (LPOs) were completed during this period.
A total of 195 LPOs have been completed for the project to date.

Weather Summary

- Site activities were temporarily suspended for 2 hours on August 4th due to lightning.

Environmental Monitoring and Construction Quality Assurance Testing

Resuspension/Turbidity Monitoring:

Testing Performed this Week? No ☐ Yes ☒

Exceedances? N/A ☐ No ☐ Yes ☒ If yes, explain: Monitoring performed downstream of Mid-Channel Area B was identified as exceeding the permissible allowance (two times the upstream limit). Work in Mid-Channel Area B was immediately suspended and additional steel sheeting was installed to replace turbidity curtain. Subsequent turbidity monitoring indicated turbidity levels returned within acceptable limits.

Dewatering System Discharge Monitoring:

Discharge Flow: 0 gallons (Staging Area 4N) and 0 gallons (Staging Area 5S)

Testing Performed this Week? No ☒ Yes ☐

Exceedances? N/A ☒ No ☐ Yes ☐ If yes, explain:

Excavation Verification Sampling:

Testing Performed this Week? No ☐ Yes ☒ Removal Areas 12A and 11A.

Cleanup Standard Achieved? N/A ☐ Yes ☐ No ☒ If no, explain:

Cleanup standard was not achieved in one sample grid in Removal Area 11A. Additional soil was removed from that grid and the grid was re-sampled on August 6, 2008.

Issues Encountered/Solutions Advanced

- None.

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Equipment on Site

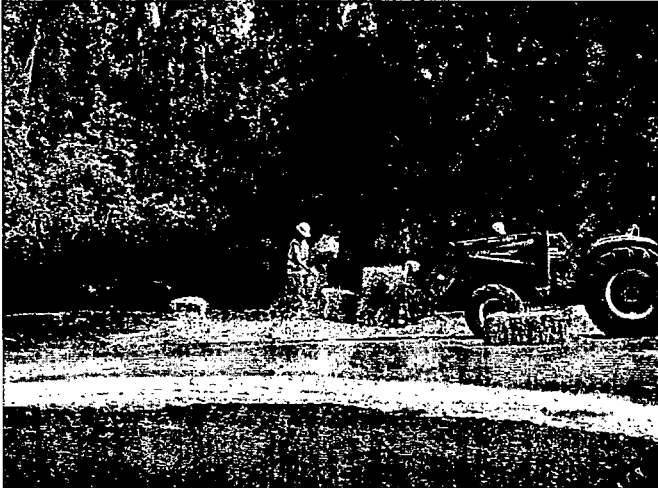
Equipment	7/31/08	8/1/08	8/2/08	8/3/08	8/4/08	8/5/08	8/6/08
Komatsu PC-300 Excavator	4	4	4	4	4	4	4
Komatsu PC-300 HD Long Reach	2	2	2	2	2	2	2
Komatsu PC-200 Excavator	1	1	1	1	1	1	1
John Deere JD-50 Mini-Excavator	1	1	1	1	1	1	1
John Deere JD-450 Dozer	1	1	1	1	1	1	1
John Deere JD-700 Dozer	-	-	-	-	-	-	-
Komatsu D37 Dozer	1	1	1	1	1	1	1
Komatsu D61 Dozer	1	1	1	1	1	1	1
Komatsu D65 Dozer	-	-	-	-	-	-	-
Volvo P-180 Loader	1	1	1	1	1	1	1
Komatsu 380 loader	1	1	1	1	1	1	1
CAT 328 Loader (King)	1	1	1	1	1	1	1
FAVCO 40-ton Crane	1	1	1	1	1	1	1
40' Self Propelled Work Barge	1	1	1	1	1	1	1
American 80-ton Crane (King)	1	1	1	1	1	1	1
2,000 Gallon Water Truck	1	1	1	1	1	1	1
Smooth Drum Roller	1	1	1	1	1	1	1
John Deere Skidsteer	1	1	1	1	1	1	1
Vermeer Chipper	-	-	-	-	-	-	-
Komatsu 400 Articulating Dump Truck	2	2	2	2	2	2	2

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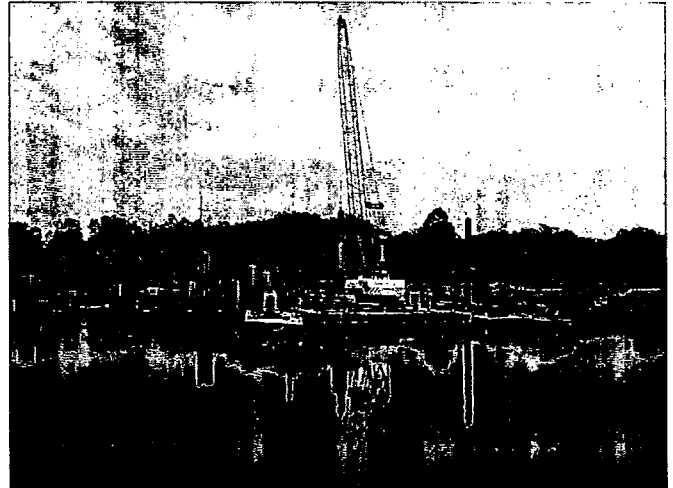
Personnel, Regulatory Staff, and Visitors on Site

Individual/Affiliation	7/31/08	8/1/08	8/2/08	8/3/08	8/4/08	8/5/08	8/6/08
Terra Contracting Staff	25	25	15		25	25	25
Jim Saric/USEPA							
Michael Berkoff/USEPA							
Don de Blasio/USEPA							
Mike Ribordy/USEPA OSC	X	X					
Tom Crosetto/USEPA OSC							
Paul Bucholtz/MDEQ	X	X					
Polly Synk/MDEQ							
Judith Gapp/MDEQ							
Todd Goeks/NOAA							
John Lerg/MDNR							
Sharon Hanshue/MDNR							
Lisa Williams/USFWS							
Weston Contractors	X	X			X	X	X
CDM Contractors	X	X			X	X	X
Chase Fortenberry/KRSG							
Mark Brown/KRSG							
Paul Monteny/KRSG							
Eric Schmidt/KRSG							
Suda Arakere/KRSG							
Steve Garbaciak/ARCADIS							
Mike Erickson/ARCADIS							
Scott Harcus/ARCADIS	X	X	X		X	X	X
Eric Hritsuk/ARCADIS							
Matt Bowman/ARCADIS							X
EJ Suardini/ARCADIS	X	X			X	X	X
Mike Kohagen/ARCADIS	X	X	X		X	X	X
Michelle Rumiér/ARCADIS	X					X	X
Joe Willoughby/ARCADIS	X	X			X	X	X
Ben Lawrence/ARCADIS	X	X	X		X	X	X
Dave Patterson/ARCADIS							
ARCADIS H&S Audit Team							
Nick Harmer/ARCADIS	X	X			X	X	X
<i>Other Subcontractors (Specify)</i>							
King Co.	5	5			5	5	5
JF New	4	2					

Photos from July 31-August 6, 2008



Performing post-deconstruction work in Staging Area 3S.



Installing steel sheeting for the Phase II Cofferdam.



Excavating sediment from Mid-Channel B.



Loading stockpiled excavated soil/sediment from Removal Area 12A.

Targeted Removal Areas – Former Plainwell Impoundment

